

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P414144

Luminaire Tested: **LXF.LXT-PA1-20-727-U-SL3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414144  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-727-U-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2208 lumens  
Efficiency: N/A  
Efficacy: 105.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U2 - G1

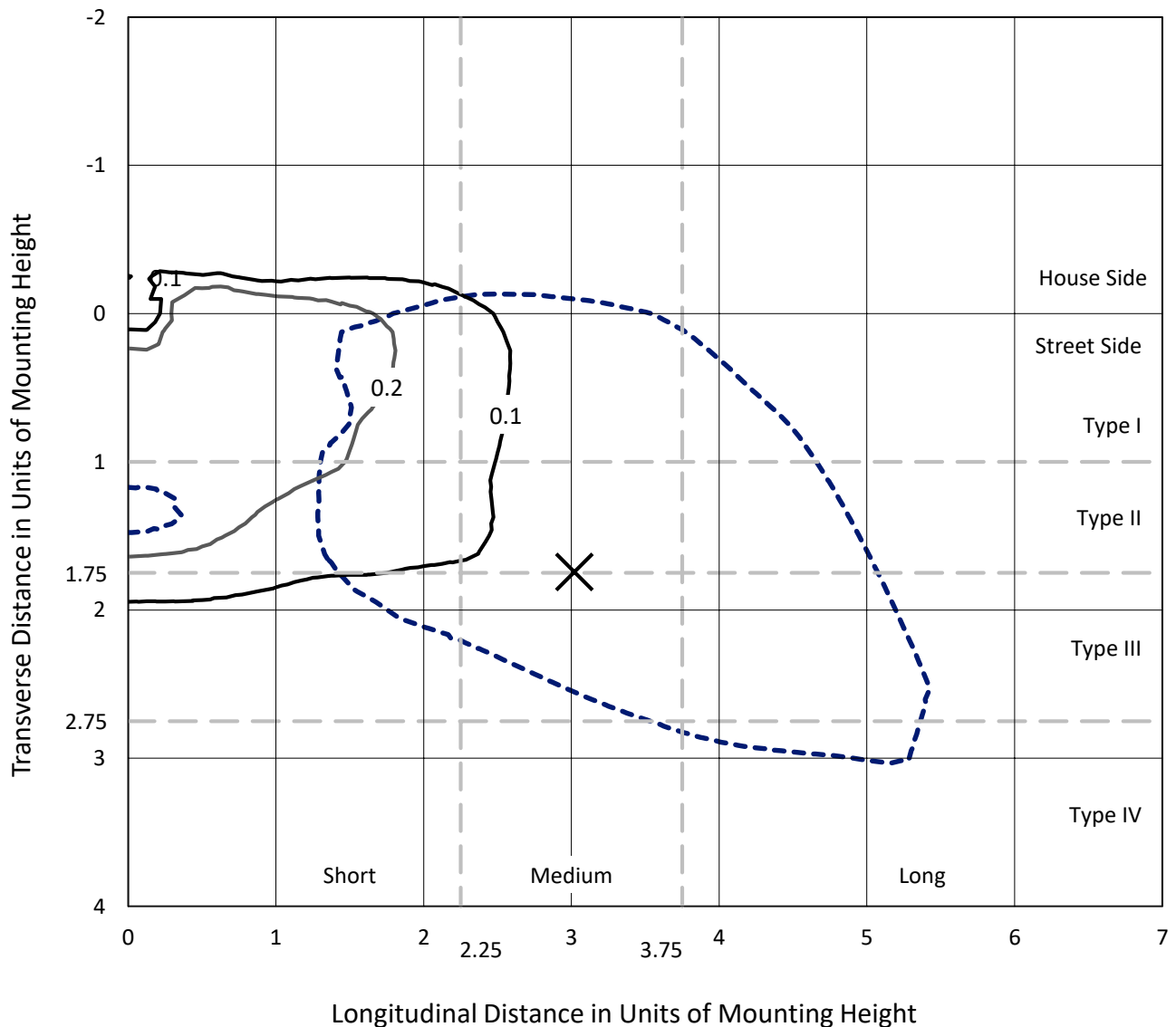
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

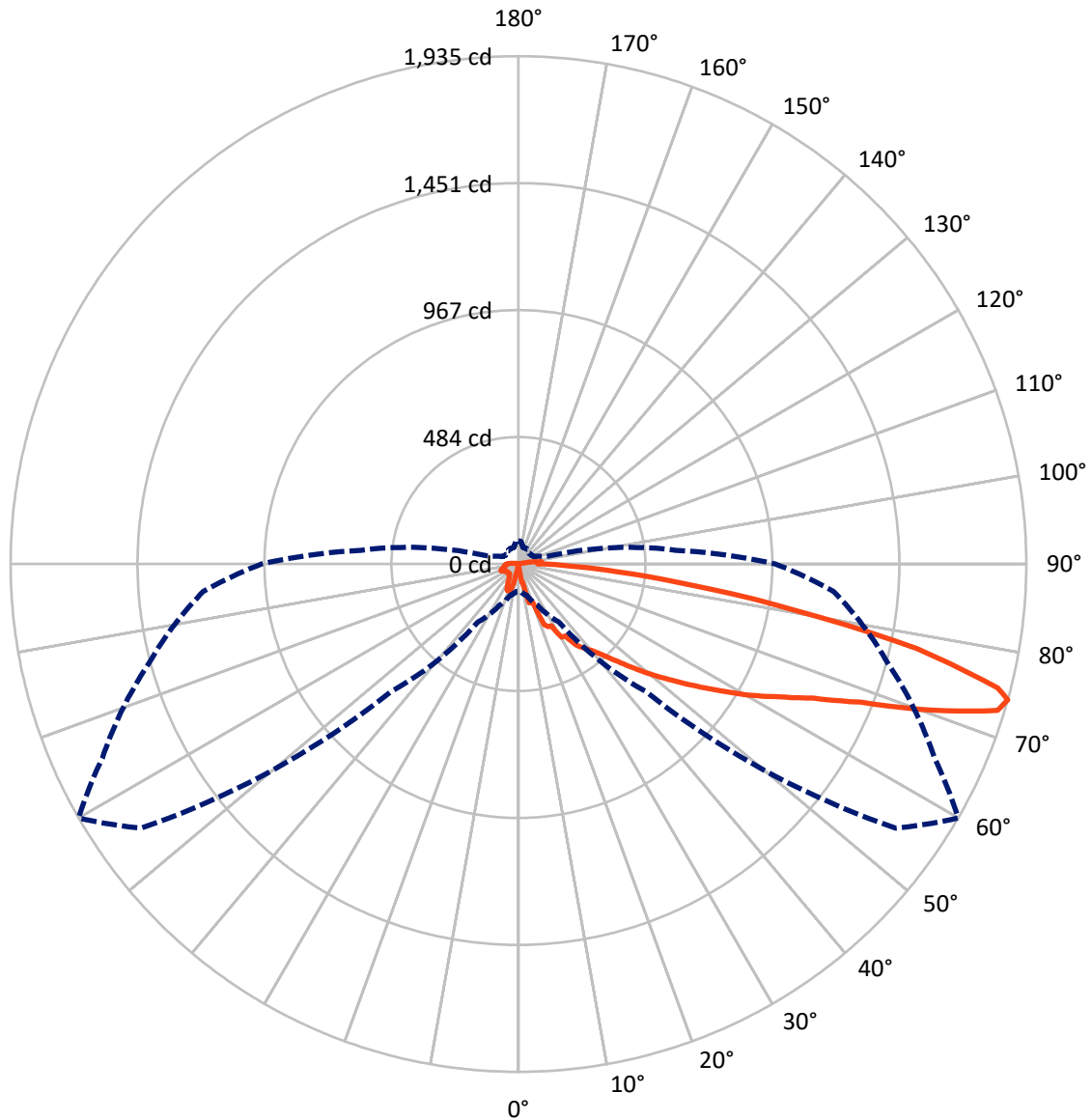
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical

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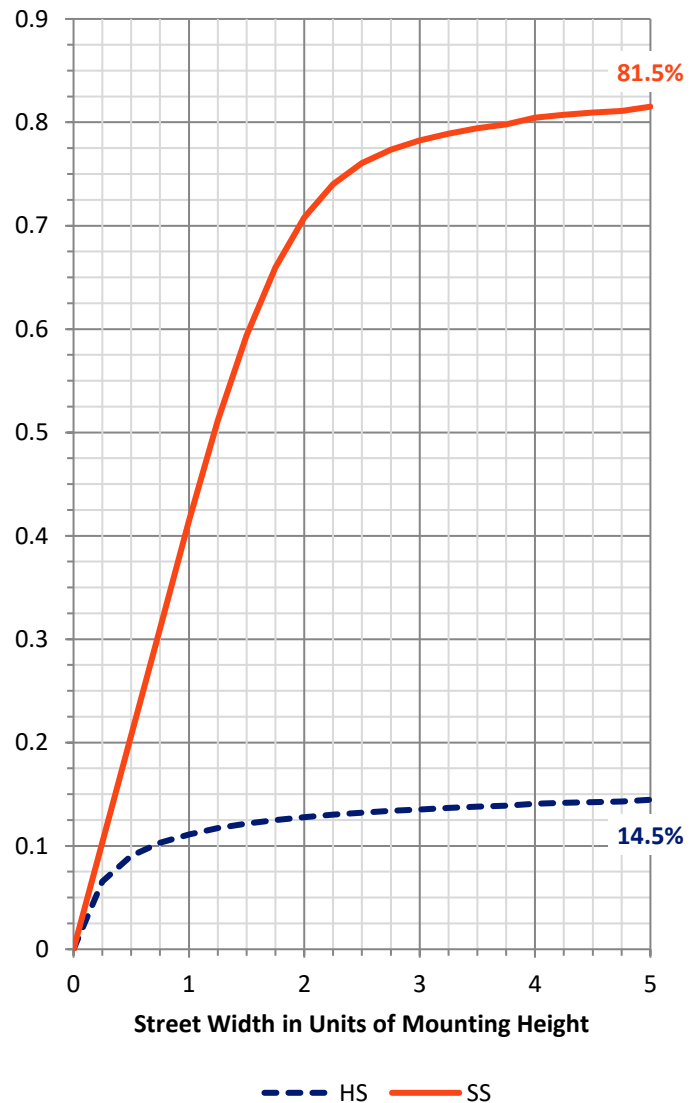
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	338.9	21.5	360.4
	% Fixture	15.3	1.0	16.3
<b>Street Side</b>	Lumens	1824.7	23.0	1847.7
	% Fixture	82.6	1.0	83.7
<b>Total</b>	Lumens	2163.5	44.5	2208.0
	% Fixture	98.0	2.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.4	0.1
10°-20°	28.2	1.3
20°-30°	85.4	3.9
30°-40°	170.9	7.7
40°-50°	293.2	13.3
50°-60°	446.9	20.2
60°-70°	550.7	24.9
70°-80°	460.4	20.9
80°-90°	125.4	5.7
90°-100°	32.4	1.5
100°-110°	5.8	0.3
110°-120°	2.1	0.1
120°-130°	1.6	0.1
130°-140°	1.1	0.1
140°-150°	0.9	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2163.5	98.0
0°-180°	2208.0	100.0

**Coefficient of Utilization**



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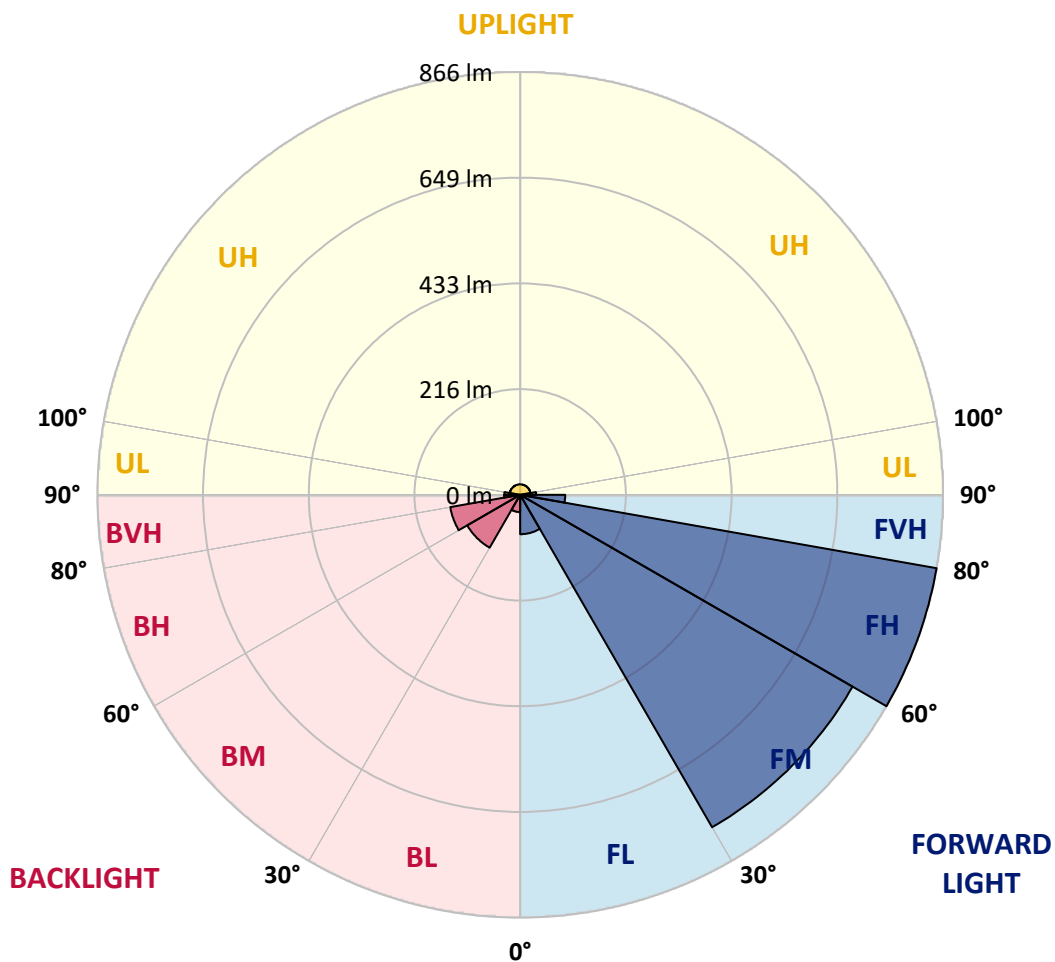
CATALOG NUMBER: LXF.LXT-PA1-20-727-U-SL3-CL

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	80.6	3.7			
FM	(30°-60°)	786.0	35.6			
FH	(60°-80°)	865.9	39.2			G1/1800
FVH	(80°-90°)	92.2	4.2			G1/100
BL	(0°-30°)	35.4	1.6	B0/110		
BM	(30°-60°)	125.0	5.7	B0/220		
BH	(60°-80°)	145.2	6.6	B1/500		G1/500
BVH	(80°-90°)	33.2	1.5			G1/100
UL	(90°-100°)	32.4	1.5		U2/50	
UH	(100°-180°)	21.5	1.0		U2/50	

**BUG Rating: B1-U2-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	2.8	2.5	2.3	2.5	2.8	2.5	2.0	1.8	1.5	1.5	1.5
5°	73.6	72.6	72.1	56.2	13.4	8.3	3.3	2.3	2.0	1.5	1.5
7.5°	74.6	73.6	73.9	73.6	72.3	72.3	23.4	8.6	4.8	1.8	1.8
10°	78.6	77.1	75.1	74.9	74.4	73.6	72.3	70.8	16.1	2.8	2.5
12.5°	145.2	144.4	143.4	110.7	80.2	74.6	73.9	72.1	55.5	10.6	48.9
15°	144.2	143.9	142.2	142.9	142.7	81.2	92.0	153.5	147.5	106.9	123.3
17.5°	151.2	150.5	145.2	141.9	142.2	162.1	150.5	151.5	152.0	135.1	132.1
20°	205.2	203.9	203.4	197.6	144.4	190.3	194.1	157.3	161.1	209.7	234.4
22.5°	207.7	205.9	203.9	202.4	227.9	189.5	205.2	250.5	239.2	277.5	261.6
25°	280.5	275.7	255.8	207.2	227.6	218.3	265.4	264.1	250.0	289.6	279.8
27.5°	303.7	300.4	285.8	274.7	232.1	261.4	263.9	266.7	314.6	399.5	372.3
30°	406.8	381.4	315.6	308.8	277.0	263.6	301.7	323.4	353.9	401.3	393.7
32.5°	465.8	453.4	421.7	373.0	324.4	288.3	327.2	327.2	355.6	484.9	497.8
35°	561.3	521.5	459.5	426.5	370.0	345.1	337.2	379.8	420.4	509.4	508.6
37.5°	595.8	592.1	568.9	467.6	435.0	375.3	393.2	406.3	440.6	544.7	543.2
40°	614.8	623.1	624.8	556.3	483.2	433.5	427.2	434.5	467.6	594.3	575.2
42.5°	678.8	681.8	691.1	613.0	555.3	497.0	479.4	476.4	499.3	652.1	617.5
45°	782.1	783.6	776.8	678.3	614.0	560.1	540.4	528.8	549.0	709.3	671.2
47.5°	900.6	904.1	871.3	752.1	667.4	620.8	610.2	592.3	605.2	760.9	738.0
50°	994.8	993.8	935.4	811.9	721.4	683.1	679.8	663.1	664.7	823.7	810.1
52.5°	1019.3	1017.8	967.9	856.0	770.5	747.8	762.7	737.0	723.6	888.7	885.0
55°	982.5	985.3	961.8	874.4	801.8	804.8	843.4	821.2	803.0	950.2	956.3
57.5°	929.3	926.0	929.6	881.4	826.2	860.5	939.4	911.7	894.3	1019.8	1026.6
60°	830.8	826.2	871.8	873.9	848.9	923.5	1041.5	1014.5	990.1	1093.1	1085.8
62.5°	680.8	675.0	757.4	827.5	874.9	997.4	1142.3	1113.1	1089.4	1171.0	1157.2
65°	453.2	480.7	577.2	726.2	865.3	1103.7	1275.6	1231.8	1188.7	1250.9	1248.4
67.5°	262.9	282.5	353.4	516.5	786.4	1194.7	1487.1	1403.9	1329.6	1341.4	1335.6
70°	163.1	169.1	199.9	297.9	554.3	1164.7	1721.5	1667.8	1510.3	1442.2	1349.2
72.5°	126.5	130.6	148.2	194.6	337.0	900.8	1832.9	1908.3	1692.8	1468.7	1282.2
74°	103.6	106.1	124.5	174.2	270.5	686.8	1753.8	1934.5	1748.7	1455.8	1205.1
75°	81.9	84.4	105.1	167.1	257.1	548.0	1636.6	1885.8	1750.5	1435.9	1112.1
77.5°	50.2	51.9	56.7	115.4	233.7	313.0	1207.6	1552.4	1551.4	1192.5	797.5
80°	39.8	40.3	42.3	60.7	190.3	283.8	764.7	1071.5	1063.7	715.8	408.6
82.5°	27.5	29.5	33.5	39.3	101.3	278.0	482.2	665.7	574.2	272.5	170.9
85°	18.4	19.9	25.5	29.2	54.2	295.9	346.1	374.5	282.5	134.8	112.7
87.5°	7.6	7.8	11.6	14.1	21.9	141.9	232.9	185.5	130.1	85.4	91.7
90°	4.0	4.0	3.0	3.3	8.1	30.5	76.1	73.9	61.2	70.3	86.2
92.5°	4.5	4.5	3.0	3.3	7.8	23.9	82.4	84.2	70.3	74.9	92.3
95°	5.0	5.0	3.0	3.0	7.6	16.4	79.1	89.0	72.3	78.6	93.0
97.5°	5.5	5.8	2.8	2.8	6.0	12.4	49.7	60.7	47.1	40.8	44.6
100°	5.8	5.8	2.5	2.5	4.0	8.8	22.9	29.2	22.7	10.6	7.3
102.5°	5.8	6.0	2.5	2.3	2.8	5.5	7.3	10.6	8.3	6.3	6.8
105°	5.5	6.0	2.5	2.3	2.3	3.0	3.8	4.3	4.5	4.5	7.1
107.5°	4.3	4.8	2.0	2.3	2.0	2.0	1.5	1.8	2.3	4.0	7.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	3.0	3.0	1.5	2.0	1.8	2.0	1.3	1.5	2.0	3.0	5.8
112.5°	1.5	1.3	1.0	1.5	1.5	1.8	1.3	1.3	1.8	2.5	4.0
115°	1.0	1.3	0.8	1.0	1.3	1.3	1.0	1.3	1.5	2.5	4.3
117.5°	1.0	1.0	0.8	1.0	1.3	1.0	1.0	1.3	1.5	2.5	4.3
120°	1.3	1.0	0.8	1.0	1.0	0.8	1.0	1.3	1.3	2.5	4.3
122.5°	1.3	1.3	1.0	1.0	1.0	0.8	1.0	1.0	1.3	2.5	4.0
125°	1.5	1.3	1.0	1.0	1.0	0.8	1.0	1.0	1.3	2.3	3.8
127.5°	1.5	1.5	1.0	1.0	1.3	0.8	1.0	1.0	1.3	2.0	3.5
130°	1.5	1.5	1.3	1.0	1.3	1.0	1.0	1.0	1.3	1.8	3.0
132.5°	1.5	1.5	1.3	1.3	1.3	1.0	1.0	1.0	1.0	1.5	2.5
135°	1.8	1.5	1.3	1.3	1.5	1.0	1.0	1.0	1.0	1.3	1.8
137.5°	1.8	1.8	1.5	1.5	1.8	1.3	1.0	1.3	1.3	1.3	1.5
140°	2.0	2.0	2.0	1.8	1.8	1.3	1.3	1.3	1.3	1.5	1.5
142.5°	2.5	2.3	2.3	2.0	1.8	1.3	1.3	1.3	1.5	1.5	1.5
145°	2.8	2.8	2.5	2.3	1.8	1.3	1.3	1.5	1.5	1.8	1.8
147.5°	2.8	2.8	2.5	2.0	1.5	1.0	1.3	1.5	1.5	1.8	2.0
150°	2.8	2.5	2.3	1.8	1.3	0.8	1.0	1.3	1.5	1.8	2.0
152.5°	2.0	2.0	1.8	1.3	1.0	0.5	0.8	1.0	1.3	1.5	1.8
155°	1.3	1.3	1.0	0.8	0.8	0.5	0.8	1.0	1.0	1.3	1.5
157.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8	1.0	1.0
160°	0.3	0.3	0.5	0.3	0.5	0.5	0.5	0.8	0.8	0.8	0.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	1.5	1.5	1.5	1.3	1.3	0.8	1.0	1.0	1.3	1.5	1.8
5°	1.5	1.8	1.5	1.3	1.3	1.0	1.3	1.3	1.3	1.8	1.8
7.5°	1.8	1.8	1.5	1.5	1.3	1.0	1.8	54.4	62.5	64.5	65.0
10°	2.3	2.3	2.0	1.8	1.5	58.7	64.8	64.8	64.3	64.8	64.8
12.5°	50.2	53.9	8.6	4.3	48.4	61.0	59.5	58.5	57.5	56.5	56.0
15°	122.0	118.2	108.4	81.4	75.1	56.0	51.4	71.3	76.1	77.4	77.1
17.5°	128.8	122.7	107.9	113.2	99.3	71.6	64.5	64.0	61.2	61.2	61.5
20°	242.2	228.4	147.2	110.4	86.2	86.7	55.2	49.2	51.4	54.7	56.7
22.5°	248.8	230.6	172.2	143.7	77.6	70.1	53.9	47.6	64.3	70.8	71.3
25°	265.4	236.4	174.4	121.0	87.7	57.5	53.7	49.7	59.0	65.0	64.5
27.5°	359.4	318.8	221.6	111.4	69.3	54.2	50.7	47.6	58.7	68.6	68.3
30°	358.9	314.3	204.7	102.6	57.2	50.4	46.1	51.9	54.7	58.5	58.7
32.5°	466.0	399.5	223.8	85.2	50.7	43.6	45.6	47.4	49.7	59.2	61.2
35°	468.3	390.7	194.3	78.1	46.6	41.6	42.8	46.9	51.7	57.7	58.2
37.5°	477.4	386.1	161.3	64.5	47.9	42.1	44.6	49.2	47.9	56.2	57.2
40°	494.0	387.4	135.6	57.7	47.1	42.1	46.6	47.4	47.6	51.9	52.4
42.5°	519.7	394.2	113.9	54.7	46.4	45.6	45.1	45.4	43.6	52.2	53.2
45°	556.3	408.3	97.3	53.7	46.4	53.2	47.1	45.4	41.6	60.0	64.3
47.5°	610.2	436.0	87.5	53.9	46.6	50.9	46.6	44.1	43.4	70.1	73.1
50°	671.2	467.8	80.9	54.9	46.6	50.2	45.9	45.4	48.1	71.1	71.8
52.5°	736.7	510.2	78.6	56.0	50.2	50.9	52.2	51.9	46.4	57.0	57.0
55°	803.3	554.0	79.4	57.2	52.9	52.2	55.7	49.2	39.8	42.3	41.8
57.5°	866.0	605.2	84.7	56.5	51.2	51.7	56.2	46.1	39.8	42.3	43.4
60°	934.1	660.6	99.3	54.4	50.4	50.2	55.5	48.6	39.8	48.6	48.9
62.5°	1017.0	737.0	131.1	56.5	54.4	51.7	55.7	53.7	45.6	46.6	47.6
65°	1115.1	815.9	161.3	64.3	57.5	51.9	54.9	56.5	51.7	49.9	49.7
67.5°	1186.9	835.3	162.6	74.6	61.5	54.7	55.5	61.5	56.5	57.5	57.0
70°	1168.8	782.4	140.9	78.9	64.0	57.0	57.0	63.8	59.5	68.3	68.6
72.5°	1080.0	679.3	119.0	73.1	60.7	57.7	63.3	66.0	63.3	82.2	81.2
74°	978.2	601.6	109.4	66.5	59.5	57.5	65.0	66.0	65.3	87.7	87.0
75°	900.1	540.7	104.1	62.8	58.7	56.7	65.5	66.3	66.0	88.5	88.2
77.5°	622.1	365.2	91.0	56.0	57.5	56.7	65.3	67.8	69.6	88.0	87.2
80°	319.1	199.9	75.9	52.9	57.0	58.2	64.5	65.5	68.3	83.2	82.4
82.5°	160.1	115.2	55.7	48.6	57.7	63.3	64.8	63.5	64.3	76.6	75.4
85°	103.1	79.6	37.1	40.8	58.7	68.6	64.5	59.2	60.2	66.8	66.3
87.5°	82.9	59.0	22.7	31.8	62.5	62.8	59.0	52.4	51.2	52.4	51.7
90°	76.6	54.7	19.2	30.0	60.5	52.4	48.1	42.8	38.3	38.6	37.1
92.5°	82.4	57.2	20.4	29.7	48.1	36.8	35.3	32.5	27.0	23.9	22.4
95°	81.2	54.9	20.7	25.2	35.3	20.9	25.0	22.9	16.6	12.6	11.8
97.5°	39.1	27.7	18.4	19.7	20.7	15.9	21.2	19.4	12.1	7.8	7.3
100°	7.3	10.3	16.4	18.7	16.4	12.4	16.6	14.9	6.6	4.0	3.8
102.5°	7.1	5.8	12.4	16.9	10.3	7.1	9.1	8.3	4.3	3.0	3.0
105°	7.3	5.8	5.8	11.6	6.3	3.3	2.8	4.0	3.0	3.0	3.3
107.5°	7.6	5.8	3.5	3.8	3.0	2.5	2.0	2.0	2.3	3.3	3.5



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CATALOG NUMBER: LXF.LXT-PA1-20-727-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	6.0	5.0	3.3	3.0	2.8	2.5	2.0	1.8	2.3	3.5	3.8
112.5°	4.3	4.0	3.0	2.5	2.3	2.3	1.8	1.5	2.3	3.8	4.0
115°	4.3	4.0	2.5	2.3	1.8	2.0	1.8	1.5	2.3	4.3	4.5
117.5°	4.5	3.8	2.5	2.0	1.5	1.5	1.5	1.5	2.5	4.3	4.5
120°	4.5	3.8	2.5	1.8	1.5	1.3	1.5	1.5	2.5	4.3	4.8
122.5°	4.3	3.8	2.3	1.8	1.5	1.3	1.3	1.3	2.3	4.3	4.5
125°	4.0	3.5	2.3	1.8	1.5	1.0	1.3	1.3	2.3	4.0	4.5
127.5°	3.8	3.3	2.3	1.8	1.3	1.0	1.3	1.3	2.3	3.8	4.3
130°	3.3	3.0	2.0	1.5	1.3	1.0	1.3	1.3	2.3	3.5	4.0
132.5°	2.8	2.5	1.8	1.5	1.3	1.0	1.3	1.0	1.8	3.3	3.5
135°	2.0	2.0	1.8	1.3	1.3	0.8	1.0	1.0	1.5	2.5	2.8
137.5°	1.8	1.8	1.5	1.3	1.3	0.8	1.0	0.8	1.3	2.0	2.3
140°	1.8	1.8	1.5	1.3	1.0	0.8	0.8	0.8	1.0	1.8	1.8
142.5°	1.8	1.8	1.5	1.3	1.0	0.8	0.8	0.8	1.0	1.5	1.8
145°	1.8	1.8	1.8	1.5	1.0	0.8	0.8	0.8	1.0	1.5	1.5
147.5°	2.0	2.0	1.8	1.3	1.0	0.5	0.5	0.8	1.0	1.5	1.5
150°	2.0	2.0	1.8	1.3	1.0	0.5	0.3	0.5	0.8	1.3	1.5
152.5°	1.8	1.8	1.5	1.3	0.8	0.5	0.3	0.5	0.8	1.3	1.3
155°	1.5	1.5	1.3	1.0	0.8	0.3	0.0	0.3	0.5	1.0	1.0
157.5°	1.0	1.3	1.0	0.8	0.5	0.3	0.0	0.3	0.3	0.8	0.8
160°	1.0	1.0	1.0	0.8	0.5	0.3	0.0	0.0	0.3	0.5	0.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)